

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	31	(US-20010030524-\$). did. or (US-7076159-\$ or US-7069172-\$ or US-6512346-\$ or US- 7092623-\$ or US- 6040668-\$ or US- 6551065-\$ or US- 6646896-\$ or US- 4409933-\$ or US- 6037732-\$ or US- 6054823-\$ or US- 6400045-\$ or US- 6528965-\$ or US- 6933687-\$ or US- 6188187-\$ or US- 6650074-\$ or US- 6906503-\$ or US- 5479557-\$ or US- 5137428-\$ or US- 4454459-\$ or US- 4097789-\$ or US- 6747432-\$ or US- 5093891-\$ or US- 4832576-\$ or US- 5166585-\$ or US- 6396231-\$ or US- 6381406-\$).did. or (US-5825972-\$ or US- 5463299-\$ or US- 5294872-\$ or US- 5075608-\$).did.	US-PGPUB; USPAT	OR	ON	2008/03/30 13:03
L3	21	2 and (fault\$4 fail\$4 error overvoltage overload\$4 overcurrent)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/30 13:04
L4	21	2 and (fault\$4 fail\$4 error overvoltage overload\$4 overcurrent) and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/30 13:05
L5	7	2 and (fault\$4 fail\$4 error overvoltage overload\$4 overcurrent) and voltage and open	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/30 13:06

L6	7	2 and (fault\$4 fail\$4 error overvoltage overload\$4 overcurrent) and voltage and open and (sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/30 13:13
L7	6	2 and (overvoltage overload\$4 overcurrent) and voltage and (sens\$4 detect\$4 monitor\$4 measur\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/30 13:22
S1	2	"20070001643"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 13:22
S2	18	"318"/\$ and fan.ab. and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and 318/811	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 13:40
S3	27	"318"/\$ and ((fan. clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and 318/811	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 13:43
S4	9	S3 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 13:41
S5	34	"318"/\$ and ((fan. clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4) near4 voltage) and 318/599	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 13:47
S6	22	S5 not (S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 14:16

S7	24	"318"/\$ and ((fan.clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4 near\$4 voltage) and (lpf (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 14:13
S8	31	"318"/\$ and ((fan.clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4 near\$4 voltage) and (lpf (low\$2 adj3 filter\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 14:08
S9	103	"318"/\$ and ((fan.clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4 near\$4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:22
S10	81	S9 not (S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 14:17
S11	63	S9 not (S7 S8 S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:20

S12	28	(US-20010030524-\$). did. or (US-7092623-\$ or US-7076159-\$ or US-6747432-\$ or US- 6650074-\$ or US- 6551065-\$ or US- 6396231-\$ or US- 6381406-\$ or US- 6040668-\$ or US- 5825972-\$ or US- 6646896-\$ or US- 5463299-\$ or US- 7069172-\$ or US- 6512346-\$ or US- 6933687-\$ or US- 6054823-\$ or US- 5479557-\$ or US- 6906503-\$ or US- 4409933-\$ or US- 6528965-\$ or US- 6400045-\$ or US- 6037732-\$ or US- 5166585-\$ or US- 5137428-\$ or US- 5093891-\$ or US- 4832576-\$ or US- 4454459-\$).did. or (US-4097789-\$).did.	US-PGPUB; USPAT	OR	ON	2007/06/28 16:19
S13	26	S12 and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 15:03
S14	19	S12 and filter\$4 and (error\$4 fault\$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 15:03
S15	19	S12 and (switch trigger \$4) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 15:59

S16	7	"6512346"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 15:29
S17	13	S12 and (voltage near4 divid\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:09
S18	8	S12 and (memory rom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:09
S19	42	"318"/\$ and ((fan. clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$ near4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and ((short \$2 adj3 circuit\$4) (open\$2 adj3 (circuit \$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:19
S20	0	S19 not (S9 S7 S8 S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:37
S21	42	"318"/\$ and ((fan. clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$ near4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail \$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load))) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:41

S22	211	((fan.clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail \$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load))) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:25
S23	169	S22 not (S19 S9 S7 S8 S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:45
S24	82	S23 and (fan.ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:39
S25	1189	"318"/\$ and (switch trigger\$4) and ((sens \$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load))) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:41
S26	14519	(switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail \$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load))) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:44

S27	219	S26 and ("318"/\$ "388"/\$) and fan	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:20
S28	177	S27 not (S19 S9 S7 S8 S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:46
S29	182	S26 and ("318"/\$ "388"/\$) and (motor same fan)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:27
S30	141	S29 not (S19 S9 S7 S8 S5 S3 S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 16:46
S31	37	S27 not S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:19
S32	33	S26 and ("318"/\$ "388"/\$) and fan and (slug\$4 sluggish\$4 stall \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:23
S33	248	((fan.clm.) (fan.ab.)) and (switch trigger\$4) and ((sens\$4 detect\$4 measur\$4 monitor\$4 near\$4 voltage) and (lpf filter\$4 (low\$2 adj3 filter\$4)) and (error\$4 fault\$4 abnormal\$4 fail \$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:51
S34	37	S33 not S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:34
S35	124	S33 and (overvoltage overcurrent (current near\$4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:38
S36	15	S35 not S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:35

S37	250	((fan.clm.) (fan.ab.)) and (switch trigger\$4 triac) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:56
S38	44	((fan.clm.) (fan.ab.)) and (switch trigger\$4 triac) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4).ab. and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:55
S39	4	((fan.clm.) (fan.ab.)) and (switch trigger\$4 triac) and ((sens\$4 detect\$4 measur\$4 monitor\$) near4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4).ab. and (stall\$4 sluggish\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:56

S40	126	((fan.clm.) (fan.ab.)) and (switch trigger\$4 triac) and ((sens\$4 detect\$4 measur\$4 monitor\$) near\$4 voltage) and (lpf filter \$4 (low\$2 adj3 filter \$4)) and (error\$4 fault \$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and (overvoltage overcurrent (current near\$4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:59
S41	26	S40 and "318"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 17:57
S42	292	"318"/\$ and (fan blower) and (switch trigger\$4 triac) and ((sens\$4 detect\$4 measur\$4 monitor\$) near\$4 voltage) and (error\$4 fault\$4 abnormal\$4 fail\$4 malfunction\$4 abnormalit\$4 (short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and ((short\$2 adj2 circuit\$4) (open \$2 adj2 (circuit\$4 load)) stall\$4 sluggish \$4) and (overvoltage overcurrent (current near\$4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 18:01
S43	271	S42 and fan	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 18:02

S44	35	S42 and fan and ((overvoltage overcurrent (current near4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more))) same stall\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 18:06
S45	114	S42 and ((overvoltage overcurrent (current near4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more))) near4 (sens\$4 detect\$4 monitor\$4 determin \$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 18:07
S46	34	S42 and ((overvoltage overcurrent (current near4 (exceed\$4 (greater\$2 adj2 than) greater (more\$2 adj2 than) more))) near4 (sens\$4 detect\$4 monitor\$4 determin \$4)) and stall\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/28 18:08
S47	6	(clean\$4 near4 oxidiz \$4) and fan and "318"/ \$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:17
S48	308	(clean\$4 near4 oxidiz \$4) and fan	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:18
S49	12	(clean\$4 near4 oxidiz \$4) and fan and voltage and (fan.ab. fan.clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:19
S50	19	(clean\$4 near9 oxidiz \$4) and fan and voltage and (fan.ab. fan.clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:19

S51	29	(US-20010030524-\$). did. or (US-7076159-\$ or US-7069172-\$ or US-6512346-\$ or US- 7092623-\$ or US- 6040668-\$ or US- 6551065-\$ or US- 6646896-\$ or US- 4409933-\$ or US- 6037732-\$ or US- 6054823-\$ or US- 6400045-\$ or US- 6528965-\$ or US- 6933687-\$ or US- 6188187-\$ or US- 6650074-\$ or US- 6906503-\$ or US- 5479557-\$ or US- 5137428-\$ or US- 4454459-\$ or US- 4097789-\$ or US- 6747432-\$ or US- 5093891-\$ or US- 4832576-\$ or US- 5166585-\$ or US- 6396231-\$ or US- 6381406-\$).did. or (US-5825972-\$ or US- 5463299-\$).did.	US-PGPUB; USPAT	OR	ON	2007/07/07 19:21
S52	14	S51 and (memory rom table)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:47
S53	125	fan.ab. and (memory rom (look\$4 adj2 table)) and compar\$4 and ((sens\$4 detect \$4 monitor\$4 measur \$4 shunt) near4 resistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 19:59
S54	43	fan.ab. and (memory rom (look\$4 adj2 table)) and compar\$4 and ((sens\$4 detect \$4 monitor\$4 measur \$4 shunt) near4 resistor) and ((memory rom (look\$4 adj2 table)) same compar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:00

S55	16	fan.ab. and (memory rom (look\$4 adj2 table)) and compar\$4 and ((sens\$4 detect \$4 monitor\$4 measur \$4 shunt) near4 resistor) and ((memory rom (look\$4 adj2 table)) same compar\$4) and "318"/ \$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:44
S56	1	"20070001643" and (sens\$4 near4 fet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:45
S57	9	S51 and (mosfet fet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:48
S58	0	S51 and (mosfet fet) and ((mosfet fet) near4 (sens\$4 detect \$4 measur\$4 monitor \$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:51
S59	9	S51 and (mosfet fet) and ((mosfet fet) and (sens\$4 detect\$4 measur\$4 monitor\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 20:52

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